# PRIMARY MOBILE SUPPRESSION RESOURCES (continued)

| RESOURCE | RADIO CALL | COMPONENTS | TYPE 1 | TYPE 2 |
|---|---|---|---|---|
| Hand Crew | Crew # | *Personnel, Equipment, and Transportation | • Highest training level<br>• No use restriction<br>• Fully mobilized<br>• Highest experience level<br>• Fully equipped<br>• Permanently assigned supervision | • Minimum training or<br>• Some use restriction or<br>• Not fully mobilized or<br>• Moderate experience or<br>• Minimum equipment or<br>• No assigned supervision |
| * Indicates minimum number of crew personnel including supervision. | | | State: CDC (12), CYA (12), CCC (12), Fly Crew (8)<br>Federal: Hotshot (18), Regular (18), Fly Crew (10)<br>Local Govt.: Inmate (12), Paid (10), Fly Crew (8), Hotshot (18) | Federal (Blue Card) (18)<br>State (12) |

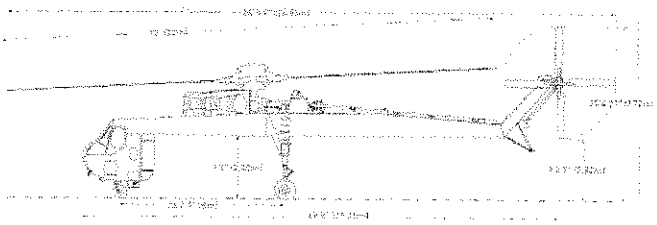
| RESOURCE | RADIO CALL | COMPONENTS | TYPES | | | |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| Fire Boat | Boat | Pumping Capability | 5,000 GPM | 1000 GPM | 250 GPM | |
| Foam Tender | Foam | Class B Foam Specify: % Concentrate (1%, 3%, etc.) | 500 Gal. | 250 Gal | | |
| Air Tanker | Tanker | Gallons<br>Examples: | 3,000<br>C-130<br>P-3, DC-7 | 1,800<br>DC-4<br>SP2H,P2V | 600<br>S-2 | 100<br>Thrush |
| Helicopters | Copter | Seats, including pilot<br>Card weight capacity (lbs)<br>Gallon<br>Examples: | 16<br>5000<br>700<br>Bell 214 | 10<br>2500<br>300<br>Bell 204, 205, 212 | 5<br>1200<br>100<br>Bell 206 | 3<br>600<br>75<br>Bell 47 |
| Helitanker | Helitanker | - Fixed Tank<br>- Air tanker Board Certified-1,100 Minimum Gallon Capacity | | | | |
| Helicopter Tender | Heltender | Fuel Equipment | | | | |
| Helitack Crew | Helitack | Personnel (3)<br>Equipment Transportation | | | | |
| Aircraft Rescue Firefighting (ARFF) | ARFF | Class B Foam w/proportioner and pump | | | | |

**Aircraft name: S-64 Skycrane**
**Payload: 2,650 gallons**
**Cruising speed: 91 knots**

**Purpose: Used to deliver water or retardant to slow progress of fire.**

The S-64 Aircrane Helicopter is a powerful and efficient aerial platform. The S-64 is the only purpose-built flying crane in existence. Its unique design features an aft-facing pilot station, which gives the pilot full control of the helicopter and an unobstructed view while placing loads to within inch / millimeter tolerances. Components such as the patented anti-rotational rigging system, hydraulic grapple, high volume fixed fire suppression tank, and 30-second snorkel refill system enhance the Aircrane's ability to perform effectively and efficiently, with an external load capacity of 25,000 lbs (11,340 Kg).

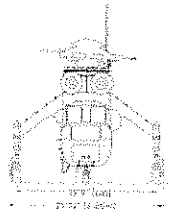
## S-64E DESIGN, WEIGHTS & PERFORMANCE



| GENERAL | |
|---|---|
| Maximum Gross Weight | 42,000 lbs (19,051 kg) |
| Maximum Hook Weight | 20,000 lbs (9,072 kg) |
| Maximum Cruise Speed | 115 kts (212 km / hr) |
| Maximum Range | 250 mile (453 km) |

| FUSELAGE (fuselage is not pressurized) | |
|---|---|
| Length* | 69ft 8 in (21.20 m) |
| Width* | 7ft 1 in (2.13 m) |
| Width Landing Gear | 21ft 9.7 in (6.65 m) |

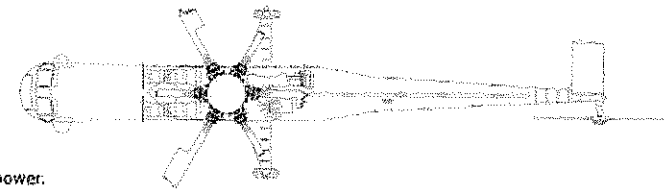
* Fuselage only, External Dimension



| MAIN ROTOR | |
|---|---|
| Main Rotor Diameter | 72ft 2.85 in (22.7 m) |
| Disc Area | 4072 sq. ft (366.5 sq. m) |

| TAIL ROTOR | |
|---|---|
| Tail Rotor Diameter | 16ft (4.90 m) |
| Disc Area | 201.1 sq. ft (18.7 sq. m) |

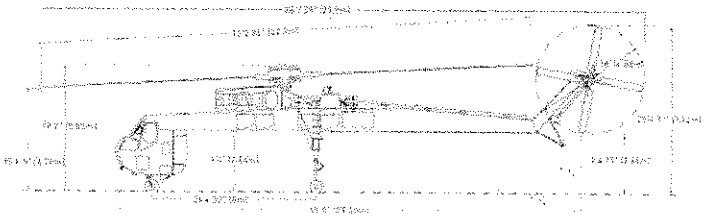
| LANDING GEAR | |
|---|---|
| Main Gear | Single Tire |
| Nose Gear | Single Tire |
| Wheel Base | 24ft 2.7 in (8 m) |



| POWER PLANT (2 pratt and whitney jftd12a-4a) | |
|---|---|
| Maximum Power Available | 9,000 SHP |
| Single Engine Limit | 4,500 SHP / 30 min. |
| Design Power | |

For two engine operation at takeoff, the transmission total power is limited to 6,600 SHP for 30 minutes, and must not exceed 5,400 SHP at maximum continuous power.

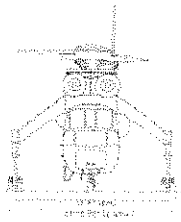
## S-64F DESIGN, WEIGHTS & PERFORMANCE



| GENERAL | |
|---|---|
| Maximum Gross Weight | 47,000 lbs (21,320 kg) |
| Maximum Hook Weight | 25,000 lbs (11,340 kg) |
| Maximum Cruise Speed | 104 kts (192 km / hr) |
| Maximum Range | 240 mile (444 km) |

| FUSELAGE (fuselage is not pressurized) | |
|---|---|
| Length* | 69ft 8 in (21.20 m) |
| Width* | 7ft 1 in (2.13 m) |
| Width Landing Gear | 21ft 10.70 in (6.67 m) |

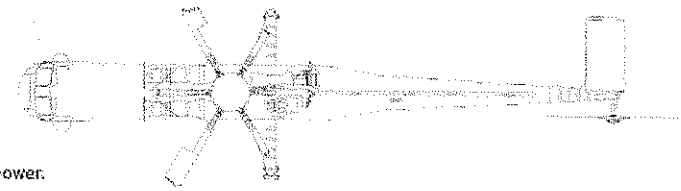
* Fuselage only, External Dimension



| MAIN ROTOR | |
|---|---|
| Main Rotor Diameter | 72ft 2.85 in (22.7 m) |
| Disc Area | 4098.2 sq. ft (368.8 sq. m) |

| TAIL ROTOR | |
|---|---|
| Tail Rotor Diameter | 16ft (4.90 m) |
| Disc Area | 201.1 sq. ft (18.7 sq. m) |

| LANDING GEAR | |
|---|---|
| Main Gear | Twin Tires |
| Nose Gear | Single Tire |
| Wheel Base | 24ft 4.32 in (7.43 m) |



| POWER PLANT (2 pratt and whitney jftd12a-4a) | |
|---|---|
| Maximum Power Available | 9,600 SHP |
| Single Engine Limit | 4,800 SHP / 30 min. |
| Design Power | |

For two engine operation at takeoff, the transmission total power is limited to 7,900 SHP for 30 minutes, and must not exceed 7,600 SHP at maximum continuous power.


FIRE
N109Z

# PRIMARY MOBILE SUPPRESSION RESOURCES (continued)

| RESOURCE | RADIO CALL | COMPONENTS | TYPE 1 | TYPE 2 |
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| * Indicates minimum number of crew personnel including supervision. | | | State / Federal<br>CDC (12) Hotshot (18)<br>CYA (12) Regular (18)<br>CCC (12) Fly Crew (10)<br>Fly Crew (8)<br><br>Local Govt.<br>Inmate (12) Fly Crew (8)<br>Paid (10) Hotshot (18) | Federal (Blue Card) (18)<br>State (12) |

| RESOURCE | RADIO CALL | COMPONENTS | TYPES | | | |
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| | | | 1 | 2 | 3 | 4 |
| Fire Boat | Boat | Pumping Capability | 5,000 GPM | 1000 GPM | 250 GPM | |
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| Helitanker | Helitanker | - Fixed Tank<br>- Air tanker Board Certified-1,100 Minimum Gallon Capacity | | | | |
| Helicopter Tender | Helitender | Fuel Equipment | | | | |
| Helitack Crew | Helitack | Personnel (3)<br>Equipment<br>Transportation | | | | |
| Aircraft Rescue Firefighting (ARFF) | ARFF | Class B Foam w/proportioner and pump | | | | |


**Aircraft name: S-64 Skycrane**
**Payload: 2,650 gallons**
**Cruising speed: 91 knots**

**Purpose: Used to deliver water or retardant to slow progress of fire.**

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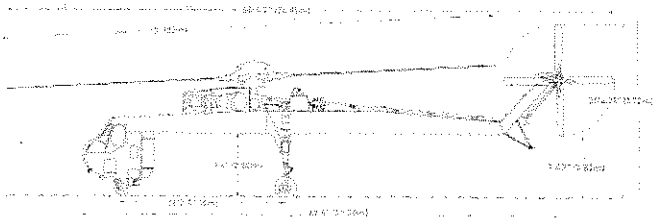
## S-64E DESIGN, WEIGHTS & PERFORMANCE



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| Maximum Hook Weight | 20,000 lbs (9,072 kg) |
| Maximum Cruise Speed | 115 kts (212 km / hr) |
| Maximum Range | 250 mile (453 km) |

| FUSELAGE (fuselage is not pressurized) | |
|---|---|
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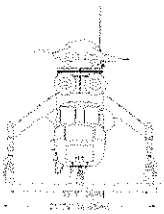
| Width* | 7ft 1 in (2.13 m) |
| Width Landing Gear | 21ft 9.2 in (6.65 m) |

* Fuselage only, External Dimension



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|---|---|
| Tail Rotor Diameter | 16ft (4.90 m) |
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| LANDING GEAR | |
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| Main Gear | Single Tire |
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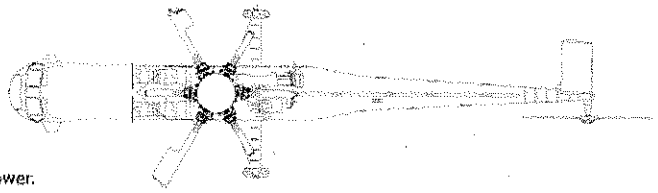

POWER PLANT (2 pratt and whitney jftd12a-4a)
Maximum Power Available 9,000 SHP
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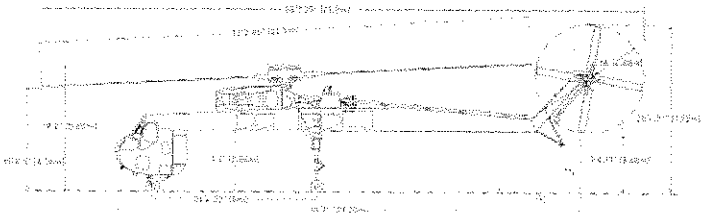

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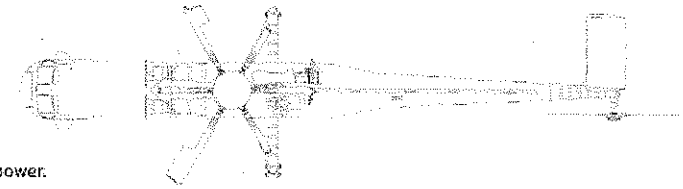

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FIRE
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